Seat No.

PGDCA (Semester – I) Examination, 2016
FUNDAMENTALS OF COMPUTER AND INFORMATION TECHNOLOGY
(Paper – 1)

Day and Date : Saturday, 16-4-2016   Max. Marks : 80

Time :10.30 a.m. to 1.30 p.m.

Instructions *: 1) Q.* ***1*** *and Q.* ***7*** *are* ***compulsory***.

                2) Attempt ***any two*** *questions from Q.No.* ***2, 3*** *and* ***4***.

                3) Attempt ***any one*** *question between Q.* ***5*** *and Q.* ***6***.

                4) Figures to the ***right*** *indicate* ***full*** *marks.*

1. Choose the correct alternative :   **16**

   1) _____ is a pointing device, which works on the same principle as a trackball.

     a) Projector   b) Joystick

     c) Touch Screen   d) Keyboard

   2) LCD stands for _____

     a) Liquid Crystal Display   b) Link Crystal Display

     c) Linkage Crystal Display   d) Link Crystal Data

   3) _____ is an input device, which translate paper documents into an electronic format, which can be stored in computer.

     a) Scanner   b) Keyboard   c) Mouse   d) Joystick

   4) Base of binary number is _____.

     a) Two   b) Ten   c) Sixteen   d) Eight

   5) ROM stand for _____

     a) Read Access Memory   b) Read only Memory

     c) Both a and b   d) Random Access memory

P.T.O.

6) _____ is a round, flat piece of flexible plastic coated with magnetic oxide.

   a) Floppy disk   b) Compact disk

   c) Hard disk   d) None of these

7) WWW stand for _____

   a) Win World Web   b) Windows Web Windows

   c) Windows Wide Web   d) World Wide Web

8) _____ is the brain of computer.

   a) Motherboard   b) Monitor

   c) Microprocessor   d) ROM

9) Printers are the most popular output devices used today for producing _____ output.

   a) Hard copy   b) Soft copy

   c) Both a and b   d) None of these

10) _____ is the largest network in the world.

   a) Interanet   b) Internet

   c) Network   d) Private Network

11) _____ is the first generation of computer.

   a) IC   b) Vacuum Tube

   c) Transistor   d) Large scale integration

12) _____ is an integrated set of program that controls the resources.

   a) Operating system   b) Data

   c) Information   d) Both b and c

13) DVD is secondary storage media.

   a) True   b) False.

14) A machine language instruction normally has a two part format, as operation code and address.

   a) True   b) False

15) In binary number system two digits are not used.

   a) True   b) False

16) MICR stands Magnetic-ink character recognition.

   a) True   b) False

2. A) What is secondary storage media ? Explain hard disk in details. **6**

   B) Explain the dot matrix and Laser printers in details. **6**

   C) Write types of Operating system. **4**

3. A) Carry out the following conversions. **6**

   1) $1010_2 = ?_{10}$ 2) $42_{10} = ?_2$ 3) $1110_2 = ?_{10}$

   B) What is meant by network topology ? Describe three commonly used network topologies. **6**

   C) Explain types of computers. **4**

4. A) Explain the types of computer Network. **6**

   B) What is operating system ? Explain its important functions. **6**

   C) What is Multitasking ? **4**

5. A) List out the various computer generations along with the key characteristics of the computers of each generation. **8**

   B) Explain the basic organization of computer in details. **8**

6. A) List out and explain some of the important characteristics of a computer. **8**

   B) What are input devices ? Explain the Keyboard, Mouse and Scanner in details. **8**

7. Write short notes **(any four)** **16**

   1) Motherboard.
   2) Interpreter.
   3) Number system.
   4) Internet.
   5) Types of Virus.

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Seat No.

P.G.D.C.A. (Semester – I) Examination, 2016
INTRODUCTION TO A/C PACKAGE AND MS-OFFICE
(Paper – 2)

Day and Date : Monday, 18-4-2016   Total Marks : 80
Time : 10.30 a.m. to 1.30 p.m.

Instructions : 1) Q. **1** and Q. **7** are **compulsory**.
2) Attempt **any two** questions from Q. No. **2, 3** and **4**.
3) Attempt **any one** question between Q. **5** and Q. **6**.
4) Figures to the **right** indicate **full** marks.

1. A) Choose the correct alternative :   **8**

   1) _____ is the extension of Power Point files.

      a) .ppt   b) .bmp   c) .exe   d) .jpeg

   2) A person who owes to the business is _____ of the business.

      a) Creditor   b) Debtor   c) Proprietor   d) Owner

   3) _____ is a shortcut key to select any activated company.

      a) Alt + F1   b) F1   c) F10   d) F2

   4) Owner account is under _____ account group.

      a) Investment   b) Cash   c) Capital   d) Expenses

   5) _____ is the invalid voucher type in tally.

      a) Invoice   b) Journal   c) Credit   d) Cash

   6) To print document in MS-Word _____ short key is used.

      a) Alt + P   b) Enter + P   c) Shift + P   d) Ctrl + P

   7) To count the length of word in MS-Excel _____ function is used.

      a) =LEN( )   b) LEN( )   c) =Min()   d) =count()

   8) To change current date from Gateway of Tally press the _____ key.

      a) F1   b) F5   c) F2   d) F9

B) State **true** or **false** :   **8**

1) .exl is the extension of MS-excel file.

2) Ledgers are very important for voucher entries.

3) Tally is word processing software.

4) In MS-Word cut, copy and paste commands are present under the edit menu.

5) To save the file in MS-Word 'Ctrl + S' key is used.

6) Set the features of the select company F11 key is used.

7) Bank account is under the group of current asset.

8) In MS-Power Point F6 function key is used to view slide show.

2. a) Explain the features and uses of MS-Word.   **6**

   b) Explain the terms assets, Liabilities, capital, drawings and debtor. **6**

   c) Write down different chart types of excel.   **4**

3. a) Explain the use of configuration of company.   **6**

   b) Write the different functions used in MS-Excel.   **6**

   c) Write down steps of saving power point presentation.   **4**

4. a) How to create a new company in tally ?   **6**

   b) Write down all attributes of text.   **6**

   c) Steps of opening any MS-Excel workbook.   **4**

5. a) Explain types of accounts and golden rules for Debit and Credit.   **8**

   b) Explain different views of document in detail.   **8**

6. a) What is group in Tally ? Enlist of groups.   **8**

   b) Explain the voucher types with keys in Tally.   **8**

7. Note on **(any four)** :   **16**

   1) Mail Merge

   2) Creation of Ledger

   3) Trial balance

   4) Short cut keys of Tally

   5) Wizards and Templates.

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Seat No.	

P.G.D.C.A. (Semester – I) Examination, 2016
SYSTEM ANALYSIS & DESIGN WITH C PROGRAMMING (Paper – 3)

Day and Date : Wednesday, 20-4-2016   Total Marks : 80
Time : 10.30 a.m. to 1.30 p.m.

Instructions : *1) Q.**1** and Q.**7** are **compulsory**.*

*2) Attempt **any two** questions from Q.No.**2**, **3** and **4**.*

*3) Attempt **any one** question from Q.No.**5** and **6**.*

*4) Figures to the **right** indicate **full** marks.*

1. Choose the single correct alternative.   **16**

    1) ERD stands for _____

       a) Entity Relationship Diagram   b) Enterprise Related Diagram

       c) Entity Relationship Design   d) None of these

    2) _____ is a name given to memory location to store any value.

       a) Keyword   b) Algorithm   c) Variable   d) None of these

    3) _____ is used represent flow of data.

       a) DVD   b) DFD   c) Pseudo code   d) BCD

    4) Keywords are not predefined words.

       a) True   b) False

    5) _____ is multi-directional conditional control statement in C.

       a) Switch   b) While   c) Goto   d) If...else

    6) _____ is a collection of similar data type elements.

       a) Array   b) Structure   c) Constant   d) None of these

    7) In 'C' to connect two strings _____ function is used.

       a) Strcpy( )   b) Strcat( )   c) Strlen( )   d) None of these

8) '&' symbol is not used to declare a pointer variable in C.

   a) True   b) False

9) _____ statement is used to abort a loop in 'C'.

   a) Break   b) Quit   c) Exit( )   d) All of these

10) _____ operator is used with floating point numbers.

   a) /   b) +   c) –   d) All of these

11) _____ is a subprogram defined to perform a specific task.

   a) Array   b) Function   c) Structure   d) None of these

12) In text file, to write data fprintf() function is used.

   a) True   b) False

13) _____ is/are data collection method(s).

   a) Observation   b) Interview   c) Questionnaire   d) All the above

14) _____ is not a valid data type in C.

   a) int   b) float   c) long int   d) string

15) System development process is also called as _____

   a) System Development Life Cycle   b) System Life Cycle

   c) Both a) and b)   d) System Process Cycle

16) C is not a high level language.

   a) True   b) False

2. A) What are the elements of a system ?   **6**

   B) What is algorithm ? Explain properties of algorithm.   **6**

   C) Write a program to print the given number is positive or negative.   **4**

3. A) Explain role of system analyst.   **6**

   B) Explain switch control statement with suitable example.   **6**

   C) Explain for loop.   **4**

4. Write short notes on the following. **16**

   A) Observation

   B) Decision Tree

   C) Flowchart

   D) Structure.

5. A) Explain System Development Life Cycle (SDLC). **8**

   B) Write a program in C, to print the given number is prime or not. (Hint : The number, which is divisible by 1 and itself only known as prime number). **8**

6. A) Write on 'Functions in C'. **8**

   B) Explain ERD in detail. **8**

7. A) Explain different types of system. **8**

   B) Explain text and binary files in C. **8**

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Seat No.	

P.G.D.C.A. (Semester – I) Examination, 2016
WEB PROGRAMMING WITH PHP (Paper – IV)

Day and Date : Thursday, 21-4-2016　　　　　　　　　　　Max. Marks : 80

Time : 10.30 a.m. to 1.30 p.m.

Instructions : 1) Q. **1** and Q. **7** are **compulsory**.

　　　　　　　2) Solve **any two** questions from Q.No. **2, 3** and **4**.

　　　　　　　3) Solve **any one** question between Q. **5** and Q. **6**.

　　　　　　　4) Figures to the **right** indicate **full** marks.

1. A) Choose the correct alternatives :　　　　　　　　　　　　　　　**8**

　　1) PHP is not open source software

　　　a) True　　　　　　b) False

　　2) Variable name must begin with a _____ or underscore.

　　　a) Number　　　b) Symbol　　　c) Letter　　　d) Quote

　　3) _____ operator decreases integer value by one

　　　a) – –　　　　b) –　　　　c) + –　　　　d) – = =

　　4) The logical not operator is used to reverse the logical state of its operand

　　　a) True　　　　　　b) False

　　5) You can use _____ statement in your code to make your decisions.

　　　a) Non conditional　　　　　　b) Conditional

　　　c) Looping　　　　　　　　　　d) None of these

　　6) The for each loops through a block of code for each element in

　　　a) Database　　b) Array　　　c) Record　　　d) All of these

　　7) _____ tag is used to display the text in bold letters.

　　　a) 　　　　b) 　　　　c) 　　d)

　　8) When you use the $_GET variable to collect data, the data visible to everyone.

　　　a) True　　　　　　b) False

B) Fill in the blanks : **8**

1) _____ source software is made available for anybody to use or modify.

2) PHP was written in _____ language by Rasmus Lerdorf.

3) PHP originally stood for Personal _____ Page.

4) The programme of PHP language is saved with _____ extension.

5) Variables are assigned with the _____ operator.

6) Booleans have only two possible values _____ and _____.

7) _____ operator increases integer value by one.

8) PHP's numerically indexed array begin with position _____

2. 1) What is variable ? Explain with suitable example. **8**

   2) What is open source software ? Write benefits of open source software. **8**

3. 1) Explain array in PHP with suitable example. **8**

   2) Explain looping statement with suitable example. **8**

4. 1) Write a PHP script to print numbers from 10 to 20 with their squares. **8**

   2) Write a PHP script to print following output : **8**

   ```
   *
   * *
   * * *
   * * * *
   ```

5. 1) Explain decision making statement in PHP with suitable example. **8**

   2) Explain formatting tags in HTML with suitable example for eg. **8**
   example <b>, <I>, <h1> <U>,

6. 1) Write a PHP script to display all records in MYSQL table. **8**

   2) Write a HTML/PHP script to input First Name, Last Name, City, Age and print Welcome Message after pressing submit button. **8**

7. Write short notes : **16**

   1) Data types in PHP

   2) Arithmetic operator

   3) Table tag

   4) Functions in PHP.

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SLR-H – 5

Seat No.

P.G.D.C.A. (Semester – II) Examination, 2016
DBMS AND RDBMS USING ORACLE
(Paper – 7)

Day and Date : Saturday, 16-4-2016

Total Marks : 80

Time : 2.30 p.m. to 5.30 p.m.

Instructions : 1) *Q. **1** and Q. **7** are **compulsory**.*
2) *Attempt **any two** questions from Q. No. **2, 3** and **4**.*
3) *Attempt **any one** question from Q. No. **5** and **6**.*
4) *Figures to the **right** indicate **full** marks.*

1. A) Choose the single correct alternative : **12**

   1) %ROWCOUNT is a valid attribute of _____ type cursor.

     a) Implicit   b) Explicit

     c) Both (a) and (b)   d) None of these

   2) _____ is/are valid data types(s) in oracle.

     a) Varchar2   b) Long

     c) Varchar   d) All of these

   3) SQL statement starts with

     a) Verb   b) Clause

     c) Delimiter   d) None of these

   4) The DISTINCT clause allows removing duplicates from the result set.

     a) True   b) False

   5) _____ constraint not allows duplicate values, but permits NULL values in a table columns.

     a) Primary Key   b) Unique

     c) Foreign Key   d) All of these

   6) Which of the following not valid numeric function ?

     a) Round( )   b) Abs( )   c) Power( )   d) Substr( )

   7) PL/SQL Code block starts with _____ statement.

     a) Declare   b) Start   c) Open   d) Create

P.T.O.

8) %type is not valid attribute of explicit cursor.
   a) True   b) False

9) _____ changes the flow of control within a PL/SQL block.
   a) GOTO   b) IF....THEN
   c) FOR   d) None of these

10) In oracle, _____ statement is used to assign various privileges to a user.
   a) Connect   b) Assign
   c) Grant   d) Revoke

11) Cursors defined by the users are known as _____ cursors.
   a) User Defined   b) Implicit
   c) Explicit   d) None of these

12) MySQL is an example of RDBMS.
   a) True   b) False

B) Fill in the blanks :   **4**

1) In the version 10 g of oracle, 'g' stands for _____.

2) _____ command is used to delete table data without its structure.

3) _____ operator is used for range searching.

4) DDL stands for _____.

2. a) What is RDBMS ? What are the features of RDBMS ?   **6**

   b) Explain 'Normalization'.   **6**

   c) Write a PL/SQL code block to find out largest number among three numbers.   **4**

3. a) Explain primary key data constraints with example.   **6**

   b) What is DDL, DML and DCL ?   **6**

   c) Write on 'Arithmetic Functions'.   **4**

4. Write short notes on the following :   **16**

   1) FOR loop

   2) Oracle DBA

   3) PL/SQL

   4) Functional Dependencies.

5. a) Assume that the table named EMPLOYEE exists on the disk. Write a PL/SQL code block to accept emp_no, emp_name, basic_salary and calculate DA, HRA and net_payment. The columns DA, HRA and net_payment should be updated through the code. Rules for calculating DA, HRA and net_payment are as follows : **8**

   - DA should be 73% on basic_salary

   - HRA should be 7.5% on basic_salary

   - net_payment = basic_salary + DA + HRA

   b) Are triggers increase table data security ? Explain types of trigger. **8**

6. a) Explain Codd's rules. **8**

   b) What is cursor ? Explain types of cursor. **8**

7. a) Explain PL/SQL code block structure with suitable example. **8**

   b) Explain sub queries. **8**

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SLR-H – 6

P.G.D.C.A. (Semester – II) Examination, 2016
ASP.NET USING C# (Paper – 8)

Day and Date : Monday, 18-4-2016   Total Marks : 80

Time : 2.30 p.m. to 5.30 p.m.

Instructions : 1) Q. **1** and Q. **7** are **compulsory**.
            2) Attempt **any two** questions from Q. No. **2, 3,** and **4**.
            3) Attempt **any one** question from Q. No. **5** and **6**.
            4) Figures to the **right** indicate **full** marks.

1. Choose the single correct alternative :   **16**

    1) ASP.NET source file has _____ extension.

       a) .asp   b) .aspx   c) .net   d) None of these

    2) Service(s) provided by the .NET frame work is/are _____

       a) Garbage Collection   b) Security

       c) Type Safety   d) All of these

    3) _____ is valid data type in C#.

       a) Text   b) Varchar2   c) Byte   d) All of these

    4) C# is truly object oriented programming language.

       a) True   b) False

    5) Valid server control events are _____

       a) Postback events   b) Cached events

       c) Validation events   d) All of these

    6) _____ property of the TextBox control sets a multiline textbox's display height.

       a) Columns   b) Rows   c) Height   d) Multiline

7) _____ control is used to display data in hierarchical form.

   a) TreeView   b) DataGrid   c) Form   d) Hyperlink

8) CSS stands for Cascading Style Sheet.

   a) True   b) False

9) _____ is small amount of data that is stored in the text file or memory.

   a) Cookie   b) Session

   c) Both a) and b)   d) None of these

10) _____ clears the session data without killing it.

   a) Session.Abandon()   b) Session.Remove()

   c) Session.Destroy()   d) Session.Clear()

11) Application.RemoveAll() removes all application state variables data.

   a) True   b) False

12) Data Adapters do the work of messenger between Data Base and Data Set.

   a) True   b) False

13) Normally, the connection string is written in the machine.config file.

   a) True   b) False

14) _____ is a mini database in which the data is fetched and available for working.

   a) Table   b) Data Set

   c) Data Adapter   d) Data Reader

15) The _____ command returns a single value, which is normally the first data element value.

   a) ExecuteReader   b) ExecuteNonQuery

   c) ExecuteScalar   d) None of these

16) Site Map Path is a navigation control

   a) True   b) False

2. a) What is ASP.NET ? What are the features of ASP.NET ? **6**

   b) Explain Classes and Objects in C#. **6**

   c) Write a program in ASP.NET to find out the given number is positive or negative. **4**

3. a) Explain Arrays in C#. **6**

   b) Explain HTML controls. **6**

   c) What is Master page ? Explain nested master page. **4**

4. Write Short Notes on the following :

   a) CLR. **4**

   b) Data types in C#. **4**

   c) CSS. **4**

   d) Application state. **4**

5. a) Explain Connection and Command object. **8**

   b) Explain Session State in detail. **8**

6. a) What is ADO.NET ? Explain in detail. **8**

   b) Explain steps in web site creation in ASP.NET. **8**

7. a) Explain .NET framework. **8**

   b) Explain navigation controls in ASP.NET. **8**

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Seat No.	

P.G.D.C.A. (Semester – II) Examination, 2016
JAVA PROGRAMMING (P. No. 9)

Day and Date : Wednesday, 20-4-2016   Max. Marks : 80
Time : 2.30 p.m. to 5.30 p.m.

N.B. : 1) Q. **1** and Q. **7** are **compulsory**.

2) Attempt **any two** questions from Q. **2** to Q. **4**.

3) Attempt **any one** question from Q. **5** to Q. **6**.

4) Figures to the **right** indicate **full** marks.

1. A) Choose the correct alternatives :   **8**

   1) A class serves as a _____ for as object.

      a) Print   b) Blue   c) Blue print   d) Member

   2) The data belonging to a particular class is known as its _____ members.

      a) Data   b) Variable

      c) Value   d) All of these

   3) Data abstraction also known as data _____

      a) Members   b) Variable

      c) Hiding   d) Showing

   4) _____ is a process of creating new class from existing class.

      a) Polymorphism   b) Abstraction

      c) Encapsulation   d) Inheritance

   5) Java inherits most of the features from c and _____

      a) C++   b) Cobol   c) Basic   d) All of these

   6) Java does not support the concept of pointers.

      a) True   b) False

P.T.O.

7) Java compiler converts source code to _____

   a) Program   b) Code   c) Machine   d) Byte code

8) The command used for compilation in Java is _____

   a) javac   b) java   c) javad   d) javah

B) Fill in the blanks : **8**

1) Members functions are referred to as _____

2) Java is platform_____ language.

3) Java initially named as _____

4) Data members in Java are by default _____

5) _____ used for running Java applets.

6) A block of statement are always enclosed within _____

7) The process of creating an object of a class is known as _____

8) To access the variables and methods outside the class _____ operator is used.

2. a) What is Java ? Explain OOP concepts in Java. **8**

   b) Write the difference between Java and C++. **8**

3. a) Explain features of Java. **8**

   b) Describe the purpose of JDK and explain JVM. **8**

4. a) Write a program to find factorial of a given number. **8**

   b) Write a program to find largest among any three numbers. **8**

5. a) Write a program to find given number is prime or not. **8**

   b) Write a program to print given number in reverse order. **8**

6. a) What is variable ? Describes the rules for declaring variables. **8**

   b) Explain different operations in Java. **8**

7. Write short notes on the following : **16**

   1) Looping statement   2) Decision making statement

   3) Array   4) AWT.

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